

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-23 (Cancelled)

24. (Newly Added) A method of operating a particle size distribution measuring apparatus, comprising;

providing a particle size distribution measuring apparatus comprising a flow path having a flow cell in fluid communication with a pump;

circulating a sample solution in a first direction through the flow path;

stopping the circulation of the sample solution in the first direction;

circulating the sample solution in a second direction through the flow path;

stopping the circulation of the sample solution in the second direction;

irradiating the sample solution within flow cell with laser light;

calculating a particle size distribution of the sample solution by detecting light scattered by particles within the sample solution.

25. (New) The method of claim 24 further comprising injecting a diluting liquid into the sample solution prior to circulating the sample solution in a first direction through the flow path.

26. (New) The method of claim 24 further comprising calculating the particle size distribution using dynamic light scattering theory.

27. (New) A method of operating a particle size distribution measuring apparatus, comprising;

injecting a diluting liquid into a sample solution located within a particle size distribution measuring apparatus;

circulating the sample solution through the particle size distribution measuring apparatus in a first direction;

terminating the circulation of the sample solution through the particle size distribution measuring apparatus;

circulating the sample solution through the particle size distribution measuring apparatus in a second direction;

terminating the circulation of the sample solution through the particle size distribution measuring apparatus; and

irradiating the sample solution located within the particle size distribution measuring apparatus with laser light; and

measuring the particle size distribution within the sample solution using dynamic light scattering theory.